

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/003115

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61K38/19 A61P37/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, BIOSIS, EMBASE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>MOLLER C ET AL: "Expression and function of chemokine receptors in human multiple myeloma." LEUKEMIA (BASINGSTOKE), vol. 17, no. 1, 20 January 2003 (2003-01-20), pages 203-210, XP002252455 ISSN: 0887-6924 page 206, paragraph 3; table 1 page 208, last paragraph; table 2 --- -/--</p>	1-13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*8\* document member of the same patent family

Date of the actual completion of the international search

17 June 2004

Date of mailing of the international search report

02/07/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WRIGHT DOUGLAS E ET AL: "Hematopoietic stem cells are uniquely selective in their migratory response to chemokines." JOURNAL OF EXPERIMENTAL MEDICINE, vol. 195, no. 9, 6 May 2002 (2002-05-06), pages 1145-1154, XP002252456 May 6, 2002 ISSN: 0022-1007 abstract</p> <p>----</p>	1-13
X	<p>WO 00/46248 A (SCHERING CORP) 10 August 2000 (2000-08-10) claims 1,2 page 15, line 1 - line 29</p> <p>----</p>	1-13
X	<p>WO 01/17558 A (SCHERING CORP) 15 March 2001 (2001-03-15) claims page 3, line 24 - line 30</p> <p>----</p>	1-13
X	<p>US 2003/049696 A1 (GEORGE THADDEUS C ET AL) 13 March 2003 (2003-03-13) page 6, paragraph 65 -page 7, paragraph 70 claims 22-25</p> <p>----</p>	1-13
X	<p>WO 00/73432 A (CORNELL RES FOUNDATION INC) 7 December 2000 (2000-12-07) examples 6-9 claims</p> <p>----</p>	1-13
X	<p>WO 00/03016 A (CONNEX GMBH ;REITER CHRISTIAN (DE)) 20 January 2000 (2000-01-20) claims 22,23</p> <p>----</p>	1-13
X	<p>CA 2 256 250 A (UAB FOUNDATION, US) 17 June 1999 (1999-06-17) page 3, line 9 - line 24 claims</p> <p>----</p>	1,2
A	<p>AIUTI A ET AL: "THE CHEMOKINE SDF-1 IS A CHEMOATTRACTANT FOR HUMAN CD34+ HEMATOPOIETIC PROGENITOR CELLS AND PROVIDES A NEW MECHANISM TO EXPLAIN THE MOBILIZATION OF CD34+ PROGENITORS TO PERIPHERAL BLOOD" JOURNAL OF EXPERIMENTAL MEDICINE, TOKYO, JP, vol. 185, no. 1, 1997, pages 111-120, XP000866066 ISSN: 0022-1007 the whole document</p> <p>----</p>	1-13
	<p>-----</p> <p style="text-align: center;">-/--</p>	

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>COLVIN BRIDGET L ET AL: "Chemokines, their receptors, and transplant outcome." TRANSPLANTATION (BALTIMORE), vol. 74, no. 2, 27 July 2002 (2002-07-27), pages 149-155, XP009016007 July 27, 2002 ISSN: 0041-1337 the whole document</p> <p>-----</p>	1-13

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

## Continuation of Box II.2

Present claims 1,3-13 relate to compounds defined by reference to a desirable characteristic or property, namely compounds having an agonistic activity on CCR3, CCR6, or CCR8 receptors.

The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and disclosure within the meaning of Article 5 PCT for only a very limited number of such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compounds by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the compounds of claim 2.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 8-13 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compounds.
2. ☒ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0046248	A	10-08-2000	AU 2962200 A CA 2362091 A1 EP 1149113 A1 JP 2002540068 T WO 0046248 A1	25-08-2000 10-08-2000 31-10-2001 26-11-2002 10-08-2000
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